

means, mounted in the housing, for converting the [broadcast quality] motion video signal into a sequence of digital still images;

a digital, computer-readable and writable random-access medium mounted in the housing and connected to receive and store the sequence of digital still images in a computer-readable file format; [and]

means for reading at least a portion of the sequence of digital still images to generate a [broadcast quality] motion video signal therefrom; and

a motion picture editing system within the housing for editing the sequence of digital still images stored on the digital, computer-readable and writable random-access medium.

4. (Amended) The digital motion picture recorder of claim [3] 1, further comprising a display and editing controls on the housing to edit and display the sequence of digital still images.

Please add claims 9-44 as follows:

9. An apparatus for digitally recording motion pictures, comprising:
- a housing sized to be portable for use by an individual;
 - a motion picture camera mounted in the housing;
 - means, mounted in the housing, for providing a sequence of digital still images from the motion picture camera;
 - a digital computer-readable and writable random-access medium mounted in the housing and connected to receive and store the sequence of digital still images in a computer-readable file format; and
 - a processor mounted in the housing and executing computer program instructions comprising instructions which instruct the processor to, in response to user input:
 - receive and store the sequence of digital still images from the motion picture camera into the digital computer-readable and writable random-access medium,
 - define a sequence of segments of at least the sequences of digital still images, and

read and output at least a portion of the sequence of digital still images from the digital computer-readable and writable random-access medium according to the defined sequence of segments.

10. The apparatus of claim 9, further comprising a display and editing controls on the housing for providing the user input.
11. The apparatus of claim 10, wherein the display and editing controls comprise:
a display for displaying functions available to be selected by a user; and
an input mechanism associated with the displayed indications of functions enabling a user to select the associated function.
12. The apparatus of claim 9, wherein the digital computer-readable and writable random-access medium comprises a disk-type drive.
13. The apparatus of claim 12, wherein the disk-type drive is mounted in a container, wherein the container is detachable from the housing.
14. The apparatus of claim 13, wherein the container further comprises a shell, and shock absorbing cushions between the shell and the disk-type drive.
15. The apparatus of claim 9, wherein the digital computer-readable and writable random-access medium comprises one of an optical drive, a magneto-optical drive, a dynamic random access memory and a flash memory.
16. The apparatus of claim 9, wherein the processor has a data and address bus connected to the means for providing a sequence of digital still images from the motion picture camera and the a digital computer-readable and writable random-access medium.

17. The apparatus of claim 16, further comprising a computer network interface connected to the data and address bus.

18. The apparatus of claim 9, wherein the computer instructions further comprise instructions which instruct the processor to calibrate color in the sequence of digital still images to a standard.

19. The apparatus of claim 9, further comprising:

an overlay circuit for receiving an indication of data including at least one of a battery level, time codes, time of day and function performed, and generating video data indicative of the data; and

an encoder for receiving the sequence of digital still images and the video data to generate a video signal combining the video data with the sequence of digital still images.

20. The apparatus of claim 9, wherein the reading and outputting of at least a portion of the sequence of digital still images from the digital computer-readable and writable random-access medium according to the defined sequence of segments further comprises directing the portion of the sequence of digital still images to a full video encoder.

21. The apparatus of claim 9, further comprising:

an encoder connected to receive the sequence of digital still images from a selected one of the means for providing and the digital computer-readable and writable random-access medium.

22. The apparatus of claim 9, wherein the sequence of digital still images defines images conforming with one of NTSC and PAL video signal formats.

23. An apparatus for digitally recording motion pictures, comprising:

a housing sized to be portable for use by an individual;

a motion picture camera mounted in the housing;
means, mounted in the housing, for providing a sequence of digital still images from the motion picture camera;

a digital computer-readable and writable random-access medium mounted in the housing and connected to receive and store the sequence of digital still images in a computer-readable file format; and

an editing system, mounted in the camera, for defining a sequence of segments of at least the sequences of digital still images and for reading and outputting at least a portion of the sequence of digital still images from the digital computer-readable and writable random-access medium according to the defined sequence of segments.

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24. The apparatus of claim 23, further comprising a display and editing controls on the housing for providing user input to the editing system.
25. The apparatus of claim 24, wherein the display and editing controls comprise:
a display for displaying functions available to be selected by a user; and
an input mechanism associated with the displayed indications of functions enabling a user to select the associated function.
26. The apparatus of claim 23, wherein the digital computer-readable and writable random-access medium comprises a disk-type drive.
27. The apparatus of claim 26, wherein the disk-type drive is mounted in a container, wherein the container is detachable from the housing.
28. The apparatus of claim 27, wherein the container further comprises a shell, and shock absorbing cushions between the shell and the disk-type drive.

29. The apparatus of claim 23, wherein the digital computer-readable and writable random-access medium comprises one of an optical drive, a magneto-optical drive, a dynamic random access memory and a flash memory.

30. The apparatus of claim 23, wherein the editing system includes a data and address bus connected to the means for providing a sequence of digital still images from the motion picture camera and the a digital computer-readable and writable random-access medium.

31. The apparatus of claim 30, further comprising computer network interface connected to the data and address bus.

32. The apparatus of claim 23, further comprising means for calibrating color in the sequence of digital still images to a standard.

33. The apparatus of claim 23, further comprising:

an overlay circuit for receiving an indication of data including at least one of a battery level, time codes, time of day and function performed, and generating video data indicative of the data; and

an encoder for receiving the sequence of digital still images and the video data to generate a video signal combining the video data with the sequence of digital still images.

34. The apparatus of claim 23, wherein reading and outputting at least a portion of the sequence of digital still images from the digital computer-readable and writable random-access medium according to the defined sequence of segments further comprises directing the portion of the sequence of digital still images to a full video encoder.

35. The apparatus of claim 23, further comprising:

an encoder connected to receive the sequence of digital still images from a selected one

of the means for providing and the digital computer-readable and writable random-access medium.

36. The apparatus of claim 23, wherein the sequence of digital still images defines images conforming with one of NTSC and PAL video signal formats.

37. The digital motion picture recorder of claim 1, wherein the sequence of digital still images defines images conforming with one of NTSC and PAL video signal formats.

38. The digital motion picture recorder of claim 4, wherein the display and editing controls comprise:

a display for displaying functions available to be selected by a user; and

an input mechanism associated with the displayed indications of functions enabling a user to select the associated function.

39. The digital motion picture recorder of claim 6, wherein the housing further comprises a shell, and shock absorbing cushions between the shell and the disk-type drive.

40. The digital motion picture recorder of claim 1, wherein the digital computer-readable and writable random-access medium comprises one of an optical drive, a magneto-optical drive, a dynamic random access memory and a flash memory.

41. The digital motion picture recorder of claim 1, further comprising a data and address bus connected to the means for providing a sequence of digital still images from the motion picture camera and the a digital computer-readable and writable random-access medium.

42. The digital motion picture recorder of claim 41, further comprising computer network interface connected to the data and address bus.